



PTO/SB/82 (09-04)  
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**REVOCATION OF POWER OF  
ATTORNEY WITH  
NEW POWER OF ATTORNEY  
AND  
CHANGE OF CORRESPONDENCE ADDRESS**

Application Number	10/724,508
Filing Date	November 29, 2003
First Named Inventor	P. Larsson et al.
Art Unit	2193
Examiner Name	Tan V. Mai
Attorney Docket Number	Larsson 27-19

I hereby revoke all previous powers of attorney given in the above-identified application.

☐ A Power of Attorney is submitted herewith.

OR

☒ I hereby appoint the practitioners associated with the Customer Number:

47384

☒ Please change the correspondence address for the above-identified application to:

☒ The address associated with  
Customer Number:

47384

OR

<input type="checkbox"/> Firm or Individual Name					
Address					
City		State		Zip	
Country					
Telephone		Fax			

I am the:

☐ Applicant/Inventor.

☒ Assignee of record of the entire interest. See 37 CFR 3.71.  
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/06)

**SIGNATURE of Applicant or Assignee of Record**

Signature			
Name	David L. Smith		
Date	Oct. 14, 2005	Telephone	610-712-3784

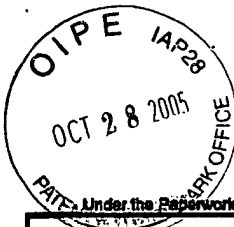
NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.

☐ \*Total of \_\_\_\_\_ forms are submitted.

This collection of information is required by 37 CFR 1.36. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

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PTO/SB/88 (08-04)  
Approved for use through 07/31/2008. OMB 0651-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE  
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**STATEMENT UNDER 37 CFR 3.73(b)**

Applicant/Patent Owner: Agere Systems Inc.

Application No./Patent No.: 10/724,506 Filed/Issue Date: November 29, 2003

Entitled: High-Speed/Low Power Finite Impulse Response Filter

Agere Systems Inc., a corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title and interest.  
The extent (by percentage) of its ownership interest is \_\_\_\_\_ %

In the patent application/patent identified above by virtue of either:

A. ☐ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

OR

B. ☒ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: inventor(s) To: Lucent Technologies Inc.  
The document was recorded in the United States Patent and Trademark Office at  
Reel 014756, Frame 0837, or for which a copy thereof is attached.
2. From: Lucent Technologies Inc. To: Agere Systems Guardian Corp.  
The document was recorded in the United States Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.
3. From: Agere Systems Guardian Corp. To: Agere Systems Inc.  
The document was recorded in the United States Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

☒ Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

Signature

David L. Smith, Reg. No. 30,592

Printed or Typed Name

Corporate Counsel

Title

Oct. 14, 2005

Date

(610) 712-3784

Telephone Number

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

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**EXECUTION COPY**

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**PATENT ASSIGNMENT**

**by and between**

**LUCENT TECHNOLOGIES INC.**

**and**

**AGERE SYSTEMS GUARDIAN CORP.**

**Dated as of January 30, 2001**

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## PATENT ASSIGNMENT

THIS PATENT ASSIGNMENT (this "Assignment"), effective as of January 30, 2001 (the "Effective Date"), is by and between Lucent Technologies Inc., a Delaware corporation, with offices at 600 Mountain Avenue, Murray Hill, New Jersey 07974, United States of America, ("ASSIGNOR") and Agere Systems Guardian Corp., a Delaware corporation, with offices at 555 Union Boulevard, Allentown, PA 18109, United States of America ("Agere Systems Guardian").

### RECITALS

A. WHEREAS, the Board of Directors of ASSIGNOR has determined that it is in the best interests of ASSIGNOR and its stockholders to separate ASSIGNOR's existing businesses into two independent businesses;

B. WHEREAS, ASSIGNOR presently owns or controls certain patents, patent applications, and invention submissions listed in the attached Appendices A and B (hereinafter "TRANSFERRED PATENTS") and;

C. WHEREAS, in furtherance of the foregoing separation, ASSIGNOR desires to transfer, assign, convey, deliver and vest all of its interests and rights in TRANSFERRED PATENTS for all countries, jurisdictions and political entities of the world, to and in Agere Systems Guardian;

NOW, THEREFORE, in consideration of the premises and for other good and valid consideration, the receipt and sufficiency of which are hereby acknowledged, the parties, intending to be legally bound, agree as follows:

ASSIGNOR, subject to existing rights and licenses of third parties, does hereby assign, convey, transfer and deliver, and agrees to assign, convey, transfer and deliver to Agere Systems Guardian, its successors, assigns and legal representatives or nominees, ASSIGNOR's entire right, title and interest, for all countries, jurisdictions and political entities of the world, along with the right to sue for past infringement, to all TRANSFERRED PATENTS listed on Appendices A and B, and corresponding counterpart foreign patents and patent applications, with respect to which, and to the extent to which, ASSIGNOR now has or hereafter acquires the right to so assign, convey, transfer and deliver. Agere Systems Guardian recognizes that ASSIGNOR holds only bare legal title to the TRANSFERRED PATENTS listed in Appendix A (which lists the United States Patents and patent applications previously exclusively licensed to Lucent Technologies Microelectronics Guardian Corp.).

ASSIGNOR and ASSIGNEE recognize that the patents listed in Appendices A and B may inadvertently include patents that are owned by various subsidiaries of ASSIGNOR, including Agere, Inc., Ortel Corporation, Optimay Corporation, Herrmann Technology, Inc., and Enable Semiconductor, Inc. Ownership of such patents shall not be affected by this Patent

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Assignment, and ASSIGNEE agrees that any such patents shall be deemed deleted from Appendices A and B.

ASSIGNOR agrees that, upon request it will, at any time without charge to Agere Systems Guardian, but at Agere Systems Guardian's expense, furnish all necessary documentation relating to or supporting chain of title, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for vesting title to TRANSFERRED PATENTS in Agere Systems Guardian, its successors, assigns and legal representatives or nominees; including but not limited to any acts which may be necessary, desirable or convenient for claiming said rights and for securing and maintaining patents for said inventions in any and all countries and for vesting title thereto in Agere Systems Guardian and its respective successors, assigns and legal representatives or nominees.

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IN WITNESS WHEREOF, the parties have caused this PATENT ASSIGNMENT to be executed by their duly authorized representatives as of the Effective Date.

**LUCENT TECHNOLOGIES INC.**

By: 

Daniel P. McCurdy  
President, Intellectual Property Business

**AGERE SYSTEMS GUARDIAN CORP.**

By: 

Fred M. Romano  
President

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Execution Copy

ACKNOWLEDGMENTS

STATE OF NEW JERSEY )

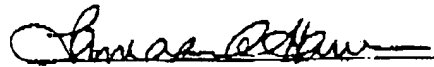
: ss:

COUNTY OF SOMERSET )

I CERTIFY that on January 30, 2001, Daniel P. McCurdy personally came before me and this person acknowledged under oath, to my satisfaction that:

a.) this person signed, sealed and delivered the attached Patent Assignment as President - Intellectual Property Business of Lucent Technologies Inc.; and

b.) this Patent Assignment was signed and made by Lucent Technologies Inc. as its voluntary act and deed by virtue of authority from its Board of Directors.



Name

TAMORA ANNE HANNA

Notary Public

Notary Public of New Jersey

My Commission Expires

Registered in Hunterdon County

[Notarial Seal]

My Commission Expires March 25, 2002

STATE OF FLORIDA )

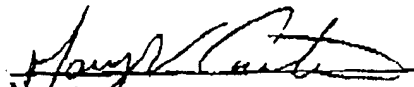
: ss:

COUNTY OF ORANGE )

I CERTIFY that on January 31, 2001, Fred M. Romano personally came before me and this person acknowledged under oath, to my satisfaction that:

a.) this person signed, sealed and delivered the attached Patent Assignment as Vice President of Agere Systems Guardian Corp.; and

b.) this Patent Assignment was signed and made by Agere Systems Guardian Corp. as its voluntary act and deed by virtue of authority from its Board of Directors.



Name

Notary Public

My Commission Expires:

[Notarial Seal]



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APPENDIX B (continued)  
Transferred Patents

Case Name	Filing Date	Issue Date	Patent No.	Serial No.
Lai 16	1/11/2000			09/481027
Lai 17	3/24/2000			09/537462
Lai 18-6	4/14/2000			09/549753
Lai 2	10/31/1997		08/962516	
Lai 3	11/25/1997		08/977877	
Lai 5	5/23/1998		09/084160	
Lai 6	7/13/1998		09/114542	
Lai 7	7/13/1998		09/114541	
Lakshmikummar 1	9/30/1994		08/315740	
Lakshmikummar 14	12/23/1997	8/15/2000	08/997084	6104220
Lakshmikummar 15	2/18/1999			09/252309
Lakshmikummar 16	2/18/1999			09/252523
Lakshmikummar 17-14	10/16/2000		09/688650	
Lakshmikummar 17-14	10/19/1999			60/160309
Laneman 1-42	5/28/1999			09/322848
Laneman 2-17-45-1	12/15/1999			09/464042
Laneman 3-18-46	12/15/1999			09/464043
Laneman 4-49	8/4/2000		09/832423	
Langford 1	3/9/2000			60/188090
Larsson 10	1/28/1998		09/014418	
Larsson 11	1/28/1998	6/6/2000	6072344	
Larsson 12-6	12/23/1997		08/996868	
Larsson 13-6	12/23/1997		08/996869	
Larsson 14	1/28/1998	7/11/2000	6087902	
Larsson 15-10	3/13/1998	6/27/2000	6081905	
Larsson 17	12/9/1998			09/208524
Larsson 18	12/9/1998			09/208523
Larsson 19	12/9/1998			09/208299
Larsson 21-51-11	6/24/1999			09/344138
Larsson 22-17	3/16/2000			09/526836
Larsson 23	6/15/2000			09/594994
Larsson 24	6/6/2000			09/587950
Larsson 25-1	9/22/2000		60/234663	
Larsson 7	5/13/1997	7/11/2000	6088389	
Larsson 9	1/28/1998		09/014861	
Lashkarian 1	2/2/2000			09/496890
Lashkarian 2	4/21/2000			09/556858
Laturell 11-2	1/22/1998		09/010743	
Laturell 16	10/6/1997		08/944559	
Laturell 43	2/29/2000			09/515911
Lau 10-8-57	5/7/1998		09/074219	
Laughery 1-24-54	9/29/1998		09/162542	
Laughery 2-61-7	3/24/1999			09/275539
Laughery 3-29-62	12/30/1998			09/223354
Layadi 15-11-12	10/15/1999			09/418885
Layadi 16-112-11-127	10/29/1999			09/430226
Layadi 27-22	8/3/2000		09/632445	
Layadi 8-7-1-14-9	6/16/1999			09/334339
Layman 1	10/29/1999			09/430434
Laho 1-1-2	5/20/1999			09/315248
Lee 1-1	1/30/1998		09/016007	
Lee 1-12-5	2/10/1998		09/021329	
Lee 1-19	3/26/1998		09/049158	
Lee 1-19-1-4	6/21/2000			09/598525
Lee 2	12/22/1999			09/460948
Lee 2	7/30/1999			09/363743
Lee 3	7/29/1998		09/126013	
Lee 3	12/20/1999			09/488400
Lee 3-14-3	9/30/1998	3/14/2000	6038266	
Lee 3-1Re			RE33622	4676869

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**CERTIFICATE OF OWNERSHIP AND MERGER**

**OF**

**Agere Systems Guardian Corp.**  
(a Delaware corporation)

**INTO**

**Agere Systems Inc.**  
(a Delaware corporation)

**UNDER SECTION 253 OF THE GENERAL  
CORPORATION LAW OF THE STATE OF DELAWARE**

Agere Systems Inc., a corporation organized and existing under the laws of Delaware ("Corporation"), DOES HEREBY CERTIFY:

**FIRST:** The Corporation is the owner of all of the outstanding shares of common stock of Agere Systems Guardian Corp., which is also a business corporation of the State of Delaware.

**SECOND:** On August 22, 2002 the Subsidiary Governance Committee of the Board of Directors of the Corporation adopted the following resolution to merge Agere Systems Guardian Corp. into the Corporation:

**RESOLVED** that Agere Systems Guardian Corp., a Delaware corporation, shall be merged with and into Agere Systems Inc., a Delaware corporation, with Agere Systems Inc. being the surviving corporation, and Agere Systems Inc. shall thereupon assume all of the obligations of Agere Systems Guardian Corp."

**THIRD:** That the merger authorized hereby shall become effective as of 9:00 a.m. Eastern Standard Time on August 31, 2002.

Executed on August 22, 2002

**AGERE SYSTEMS INC.**

By Paul Bento  
Paul Bento, Vice President

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# *Delaware*

PAGE 1

*The First State*

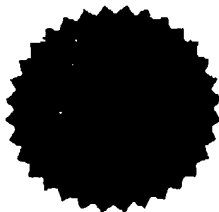
I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF OWNERSHIP, WHICH MERGES:

"AGERE SYSTEMS GUARDIAN CORP.", A DELAWARE CORPORATION, WITH AND INTO "AGERE SYSTEMS INC." UNDER THE NAME OF "AGERE SYSTEMS INC.", A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, AS RECEIVED AND FILED IN THIS OFFICE THE TWENTY-NINTH DAY OF AUGUST, A.D. 2002, AT 9 O'CLOCK A.M.

AND I DO HEREBY FURTHER CERTIFY THAT THE EFFECTIVE DATE OF THE AFORESAID CERTIFICATE OF OWNERSHIP IS THE THIRTY-FIRST DAY OF AUGUST, A.D. 2002.

A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS.

**BEST AVAILABLE COPY**



*Harriet Smith Windsor*  
Harriet Smith Windsor, Secretary of State

3268412 8100M

020545223

AUTHENTICATION: 1959517

DATE: 08-29-02